

Fig. 2

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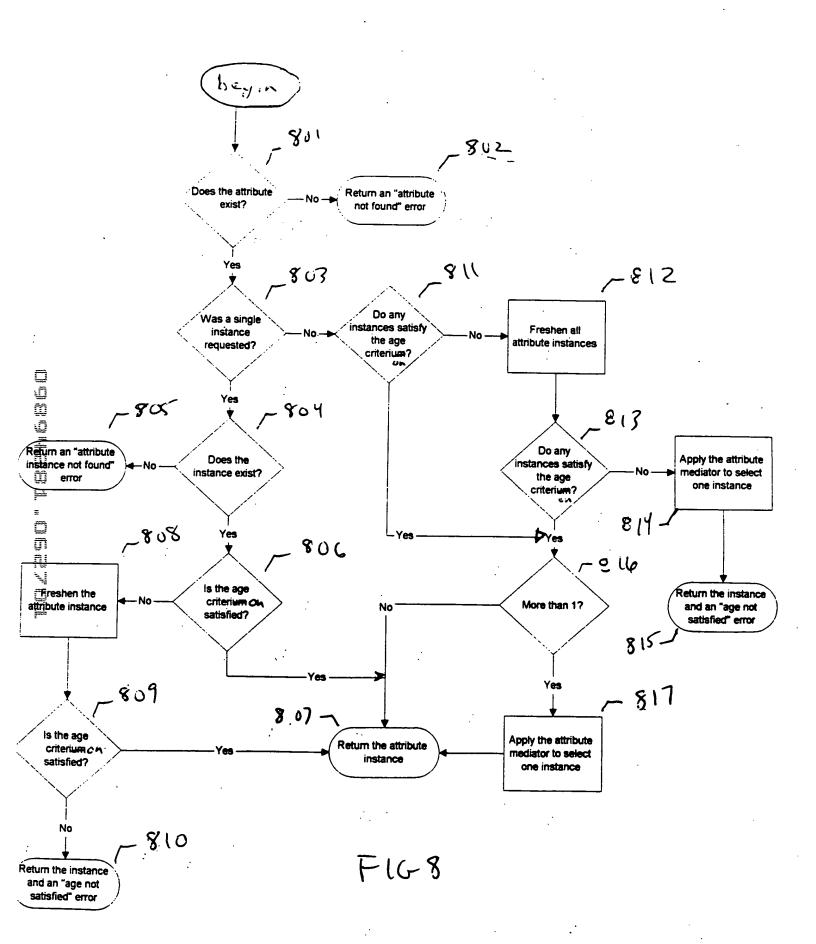
					context server table
	context server name	version	installation date	filename	request handler
401 J 8ps	gps		2/10/2000	gps.exe	(reference)
402	ips		2/21/2000	ips.exe	(reference)
400	402 - location region analysis		2/10/2000	l r a exe	(reference)
<u>^</u>	111	ZIHJ	ال ا	۶ ۲ ۱۷	7/ <del>7</del> /

attribute name	context server	value	uncertainty	timestamp	nuts	numper of
	пате			_		context clients
						consuming
user location	gps	47° 38.73' N,	.60°.09	13:11:04.023	degrees/minutes	2
50/	<b>i</b>	122° 18.43' W		2/22/2000		
user location	ips	47° 38.745' N,	0°.021'	13.11.01.118	degrees/minutes	2
· ·	<b>s</b>	122° 18.424' W		2/22/2000	1	
user elevation	ips	22	<b>S</b> .	13:11:01:118	meters	
	<b>4</b>		,	2/22/2000	,	
user in region	location_region_	none	none	none	none	0
	analysis					

					نعال مر			
					attribute instance table	Jo Jaquinu	context clients	6
message handler		-		ر ع	attr	units		deorees/minutes
me	)e)	) (ec	) (ə:	J		timestamp		13-11-04 023
	(reference)	(reference)	(reference)	FIG 6		uncertainty		0,00
lame						value		N'57 85 97A
context client name	•	ne		- 9 )		context server	name	340
	(201/ location map	distance from home	region analysis			attribute name		noited location
	700	7	7	S				

177	77	\^\	として	ハイン	١ ٦ ٦	4711
	none	none	none	none	location_region_ analysis	user.in_region
•		2/22/2000				٠
	meters	13:11:01.118	. S.	22	ips	user elevation
		2/22/2000		122° 18.424' W		
2	degrees/minutes	13:11:01.118	0°.021'	47° 38.745' N,	sdi	user location
		2/22/2000		122° 18.43' W		
2	degrees/minutes	13:11:04.023	,60°,0	47° 38.73' N,	gps	user location
consuming				•		
context clients					name	
number of	nnits	timestamp	uncertainty	value	context server	attribute name

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		٠				attr	attribute instance table
	attribute name	context server	value	uncertainty	timestamp	units	number of
	•	name					context clients
							consuming
	user location	gps	47° 38.73' N,	0°.09′	13:11:04.023	degrees/minutes	2
<u>كة</u> ا		5	122° 18.43' W		2/22/2000		
	user location	sai	47° 38.745' N,	0°.021'	13:11:01.118	degrees/minutes	2
1206		-	122° 18.424' W		2/22/2000	•	
_	user elevation	ins	22.25	S.	13:11:06.565	meters	-
937		· 			2/22/2000		
•	user in region	region analysis	none	none	none	none	
) } }	7		2)67		7757	ا ا ا	(18)
	•	)	1	(C) (C)			

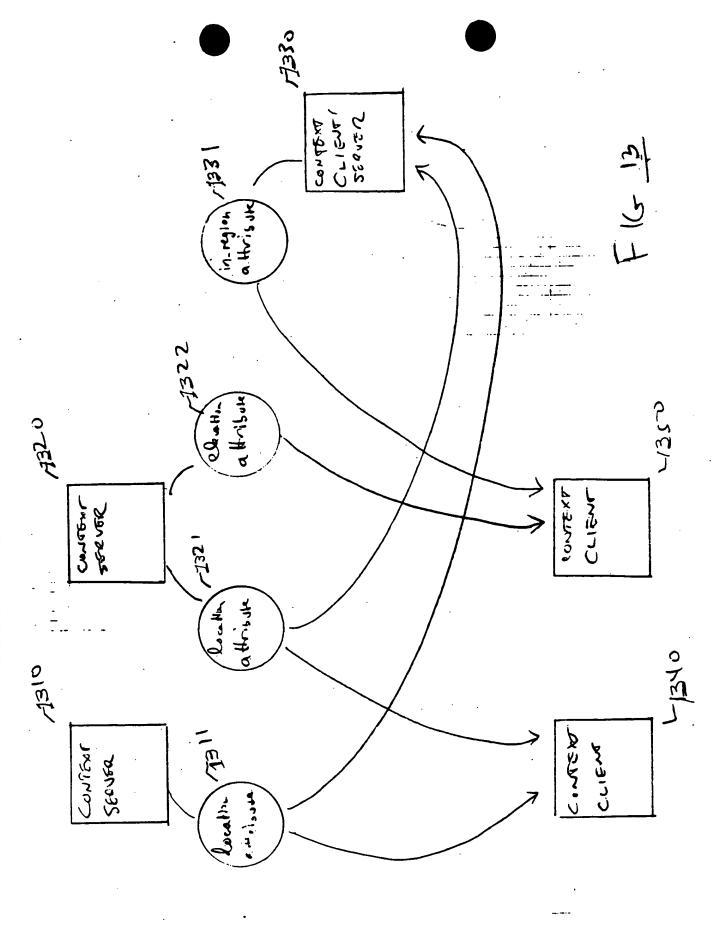
7 (615) FIOIA (1615) FIOIA	71017	<u>ر</u> ر
user in region none TRUE =	region analysis us	ool in region true
parameter parameter		
first logical second logical comparison value logical operator	context client name	condition name

7 1000

00)11	<del></del>		<del></del>	کد	
condition monitor table	stopped	011		SE J	
conditie	trigger handler reference	(reference)			2
	condition last evaluated	l	2/22/2000		
	frequency		30		
	· behavior		TRUE or	FALSE	13 FIG II
·	condition	name	in_region_true		L1112 L1113
	context client	name	regic	S	=
	condition	monitor name	region bounda	ry crossed	
				<u>_</u>	

	-					fool acition	Trion last   trioner handler	handler stopped	
	condition	context client	condition	behavior	trequency	evaluated	reference		
	monitor name	name	name			101 03 11 61	(roference)	VPS	
,	region bounds	region analysi	region hounds region analysi in region true TRUE of	TRUE or	30	5	(101010101)		
. 7	מפונות - ונפולים		1	FALSE		0007/77/7			9
1	D) ~ Ly crossed	S		1		(12)		01211 (1217	0
			21/ 21/	51212	15711 517				
	ノンマーノ		)		7   7		•		

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attribute request table

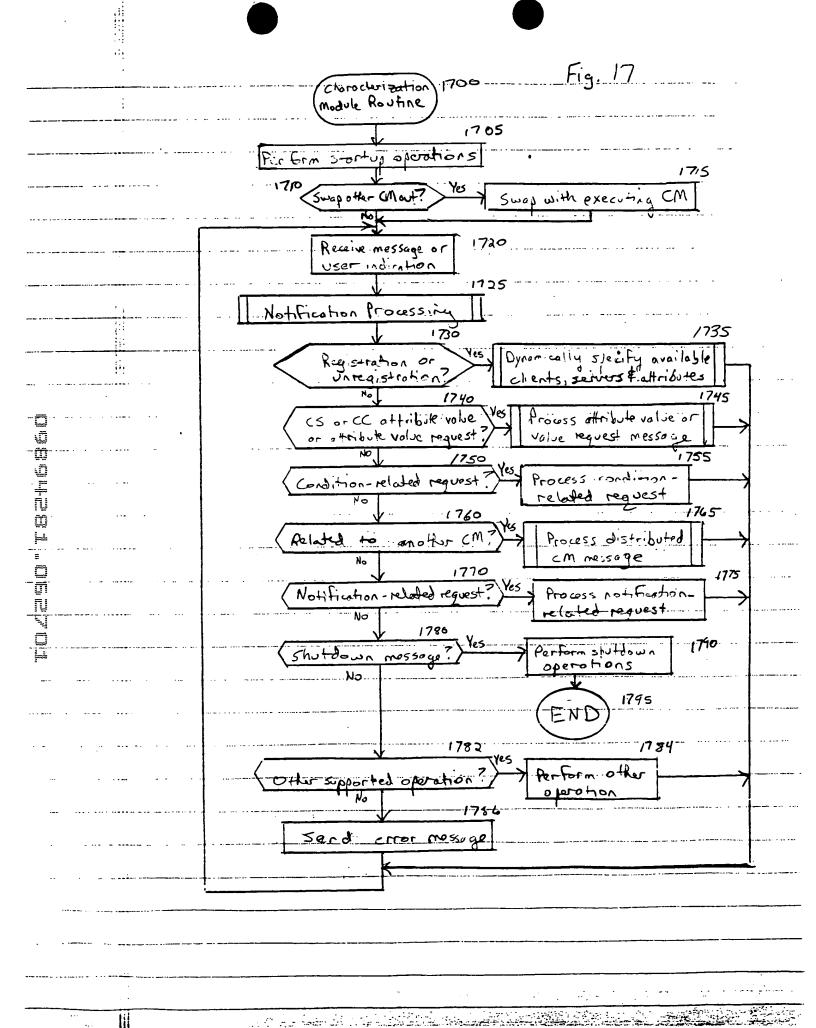
attribute name	context client name
user.location	distance_from_home
user.in_region	location_map
user.location [gps]	location_region_analysis
user.elevation	location_map
/	2
1411	Figure 14 14 12

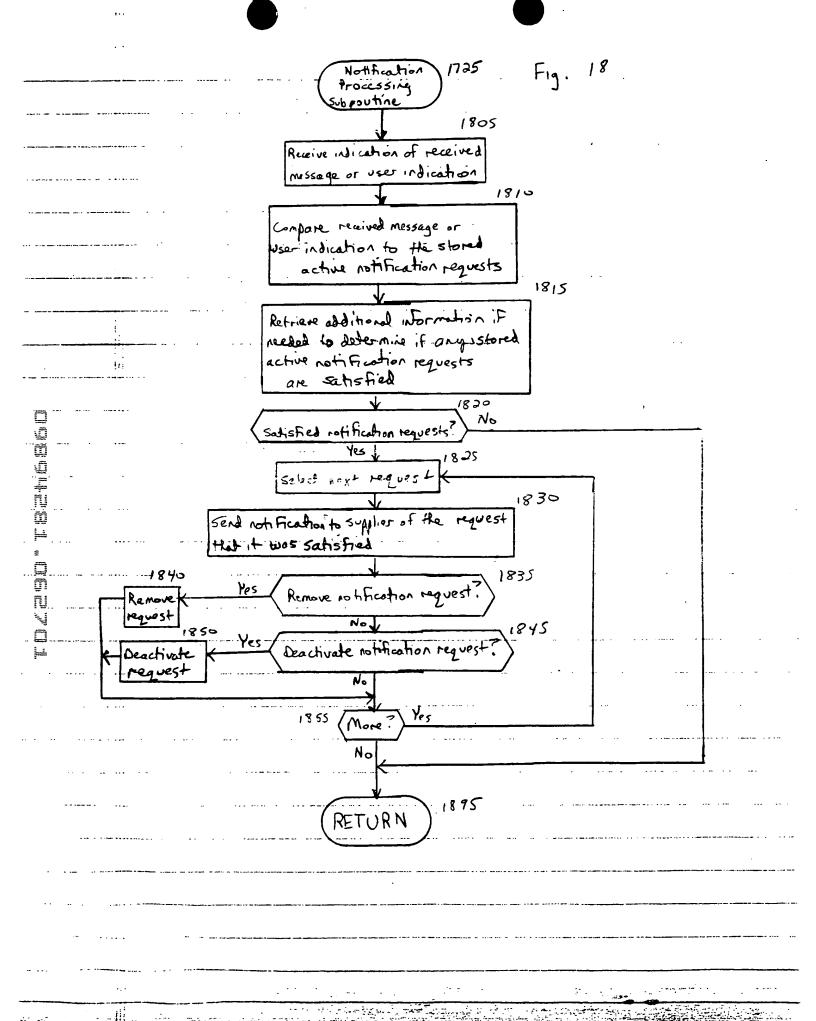
User.	Platform, (continued)
Desired privacy_level	CPU.
Interruptibility	Load Fig. 15
Speed	Speed 'J'
Direction	Memory.
Acceleration	Total_capacity
Availability.	Used
Cognitive_availability	Storage.
Tactile availability	Total_capacity
Manual availability	Used
Visual availability	Connectivity.
Oral availability	Connection_status
Auditory availability	Connection_speed
Proximity < Item or place name>	Connection_type/device
Mood.	Connection_activity
Happiness	Power.
Sadness	Power_source
Anger	Power level
Frustration	Environment.
Confusion	People.
Activity.	Nearest
Driving	Number present
Eating	Number close
Running	Local.
Sleeping	Time
Talking	Date
_	Temperature
Typing Walking	Pressure
Location.	Wind speed
	Wind direction
Place_name Latitude	Absolute humidity
	High_forecast_temperature
Longitude Altitude	Low forecast temperature
Room	People present
Floor	Ambient_noise_level
Building	Ambient light level
Address	Days. <pre>previous or future&gt;.</pre>
Street	High_temperature
City	Low temperature
County	Precipitation_type
State	Precipitation_amount
Country	Place. < place name>. (same as Environment. Local)
Postal_Code	Application.
Destination. (same as User.Location.)	Mail.
•	Available
Physiology. Pulse	New messages_waiting
	Messages waiting to be sent
Body_temperature	Phone.
Blood_pressure	Available
Respiration	In_use
Person. <name id="" or="">. (same as User.)</name>	On/off
Platform.	Notification mechanism
UI. Oral_input_device_availability	Call incoming
Manual_input_device_availability	Caller_ID
Tactile output_device_availability	Sound_recorder.
Visual output_device_availability	Available
Auditory_output_device_availability	Recording
Mumicity_outhur_active_atamacinity	

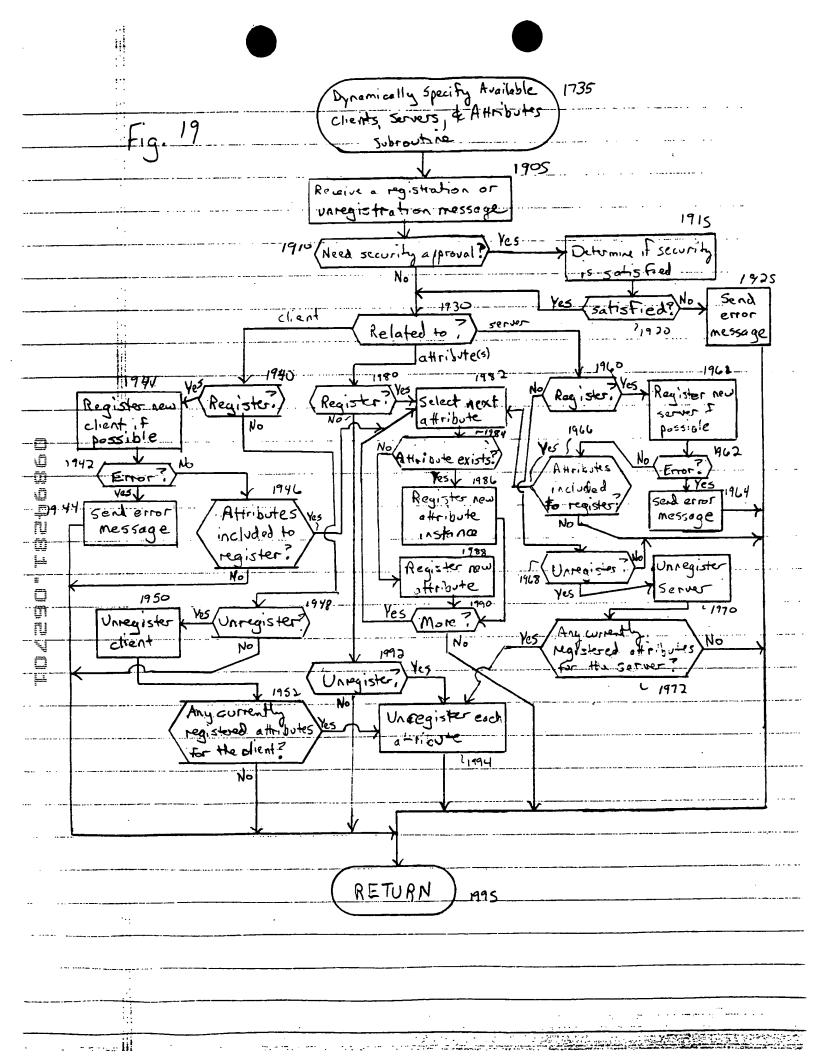
- 1) User Setting
  - a) Mental Context
    - i) Meaning
    - ii) Cognition
      - (1) Divided User Attention
      - (2) Task Switching
      - (3) Background Awareness
    - iii) Solitude
    - iv) Privacy
      - (1) Desired Privacy
      - (2) Perceived Privacy
    - v) Social Context
    - vi) Affect
  - b) Physical Situation
    - i) Body
      - (1) Biometrics
      - (2) Posture
      - (3) Motion
      - (4) Physical Encumberment
        - (a) Senses
          - (i) Eyes
          - (ii) Ears
          - (iii) Tactile
          - (iv) Hands
          - (v) Nose
          - (vi) Tongue
        - (b) Workload demands/effects
        - (c) Interaction with computer devices
        - (d) Interaction with people
        - (e) Physical Health
    - ii) Environment
      - (1) Time/Space
      - (2) Objects
      - (3) Persons
        - (a) Audience/Privacy Availability
          - (i) Scope of Disclosure
          - (ii) Hardware affinity for privacy
          - (iii) Privacy Indicator for User
          - (iv) Privacy Indicator for Public
          - (v) Watching Indicator
          - (vi) Being Observed Indicator
      - (4) Ambient Interference
        - (a) Visual
        - (b) Audio
        - (c) Tactile

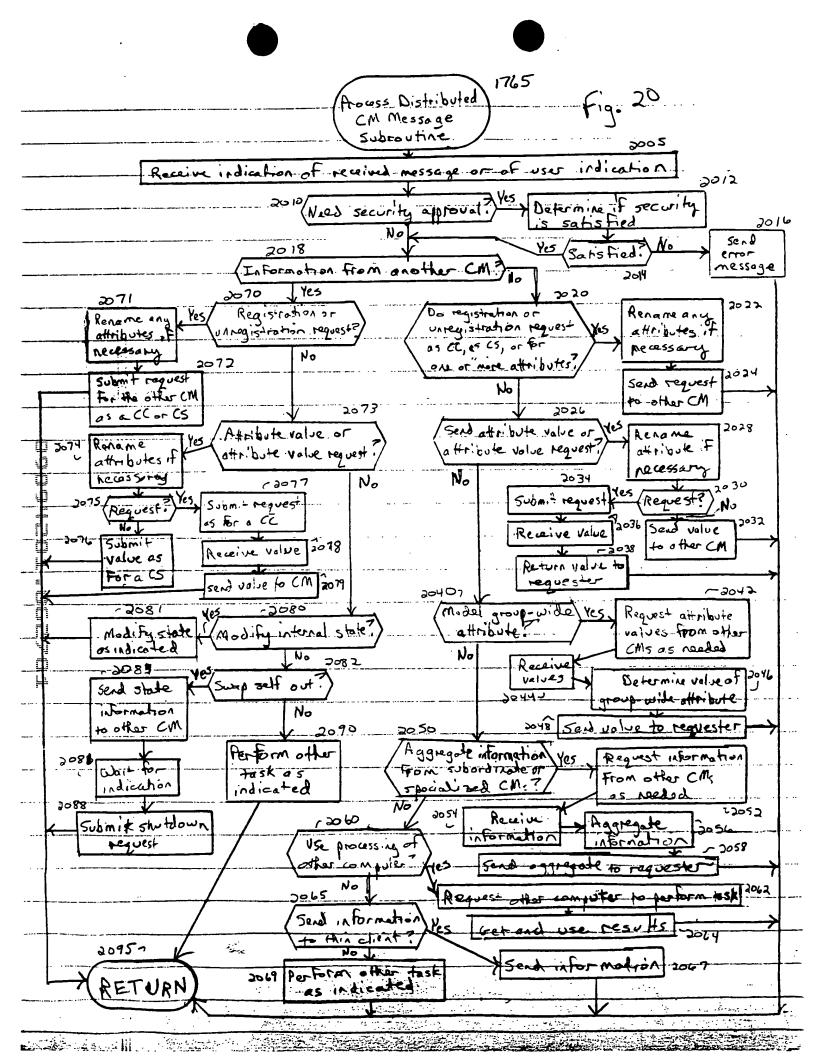
- 2) Computer
  - a) Power
  - b) Configuration
    - i) User Input Systems
      - (1) Hand/Haptic
      - (a) Kevboard/Keystrokes
      - (2) Voice/Audio
      - (3) Eye Tracking
      - (4) Cursors
        - (a) Axis
        - (b) Resolution
          - (i) Selection
          - (ii) Invocation
        - (c) Accelerators
    - ii) Output Systems
      - (1) Visual
        - (a) Resolution
      - (2) Audio
        - (a) Public/Private
      - (3) Haptic
    - iii) External Resources
      - (1) I/O devices
      - (2) Connectivity
  - c) Data
    - i) Quantity/State
    - ii) Urgency/Importance
      - (1) Use of Prominence
    - iii) Modality
    - iv) Sensitivity/Purpose
      - (1) Privacy Issues
      - (2) Use of Association
      - (3) Use of Safety
    - v) Source/Ownership
      - (1) Types
        - (a) User generated
        - (b) Other computers or people
        - (c) Sensor
        - (d) PC State
      - (2) Use of Association

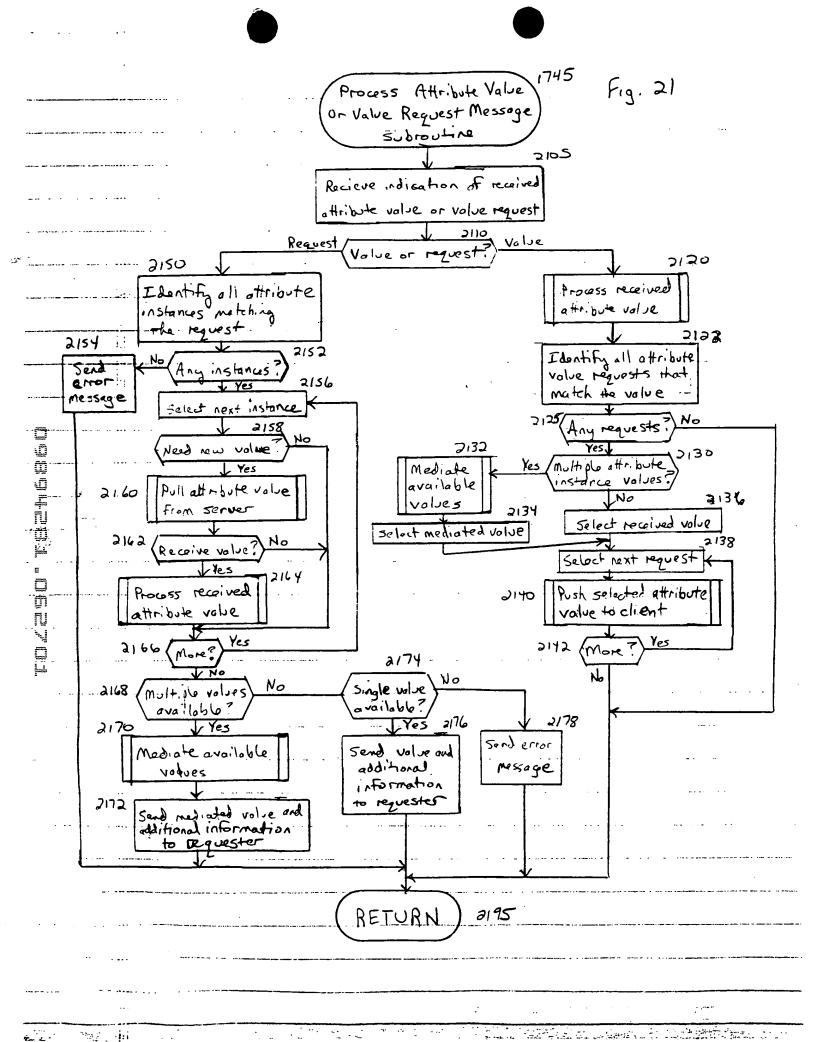
Fig. 16

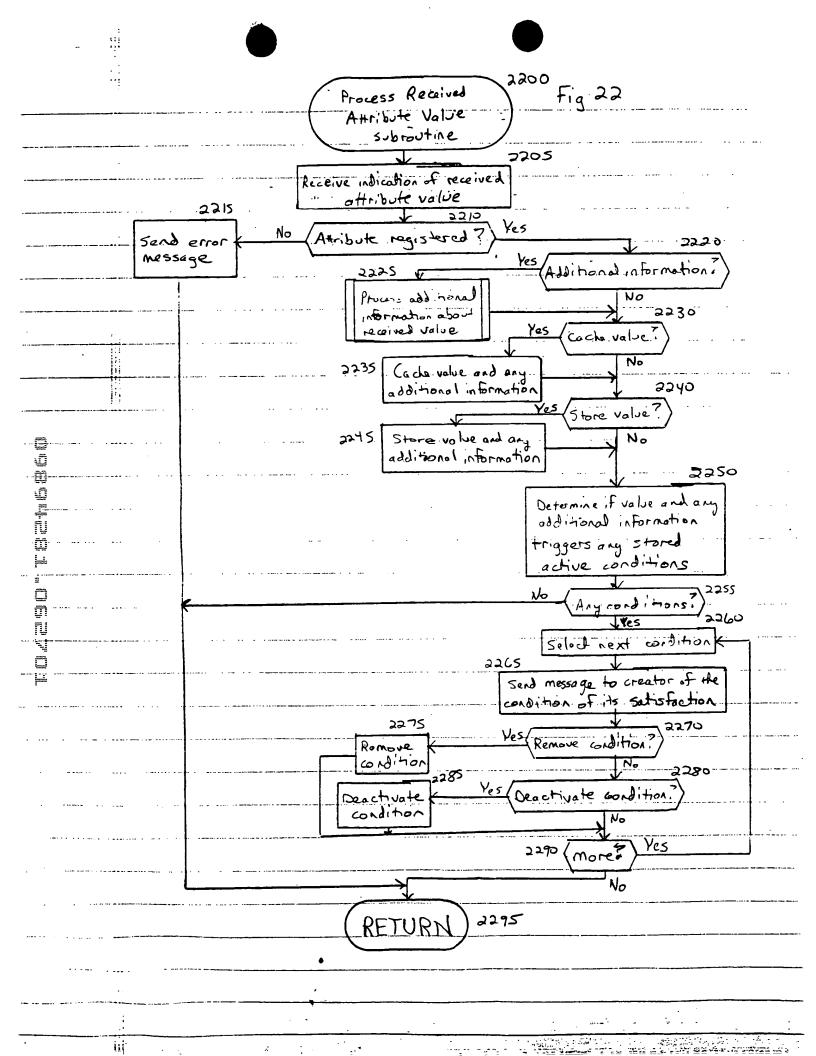


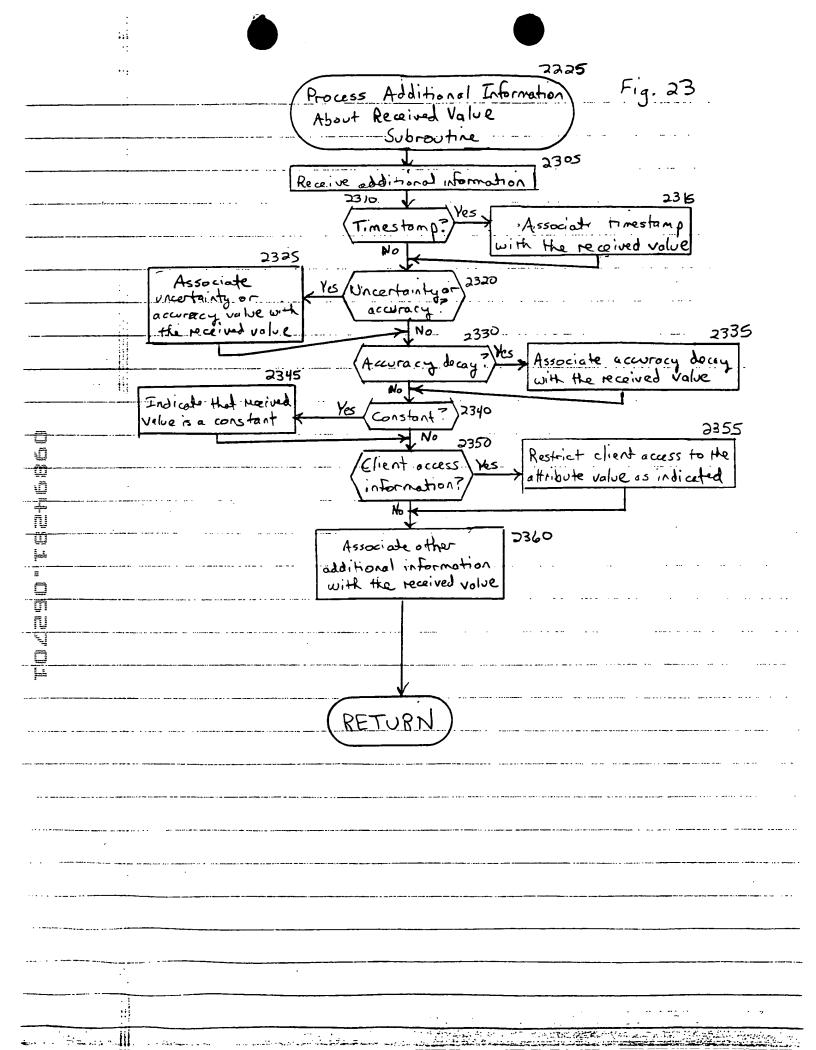


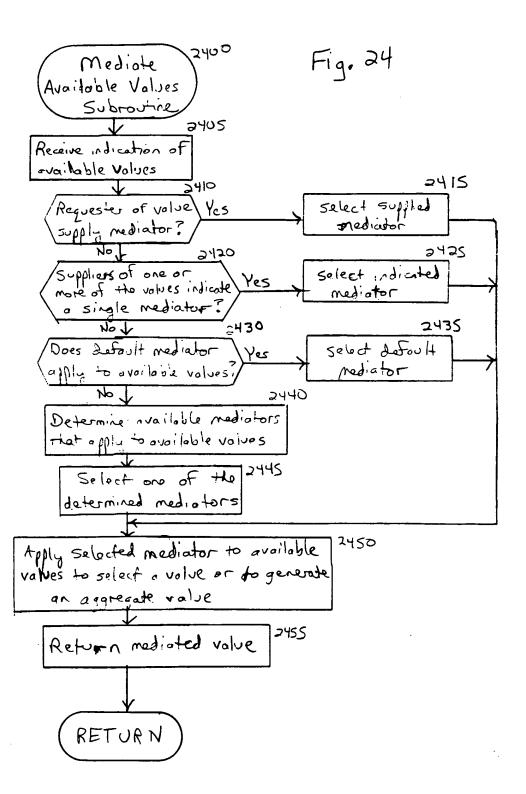




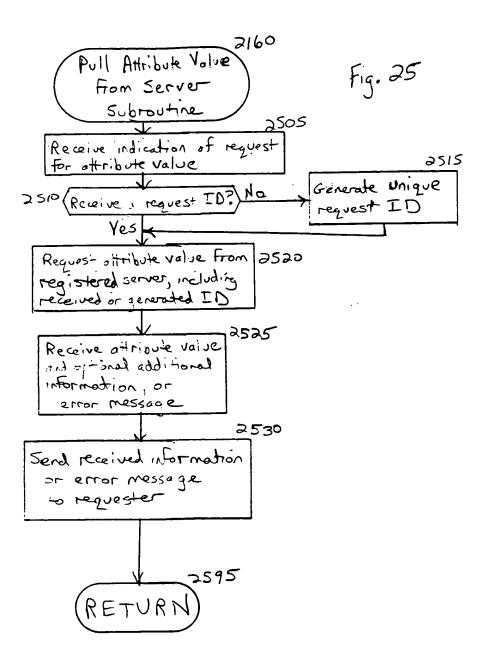








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